

HOT ROLLING ROLL MADE OF EXTREMELY HIGH ALLOY STEEL

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Abstract of JP59133352

PURPOSE:To improve the wear resistance and heat resistance of the resulting titled roll by providing a specified composition corresponding to the composition of high-speed steel contg. a large amount of one or more kinds of dispersed metallic compounds selected from carbides, nitrides and carbonitrides as well as W, Mo, Cr, Co, C and Fe. **CONSTITUTION:**This hot rolling roll made of extremely high alloy steel has a composition corresponding to the composition of high speed steel contg. a large amount of one or more kinds of dispersed metallic compounds (component X) selected from carbides, nitrides and carbonitrides. The composition of the roll consists of, by weight, 6-22% W+2Mo, 1-6% Cr, <16% Co, 0.1-0.6% C, 9- 38% X and the balance Fe with <=2% in total of Mn, Si and other element. The preferred component x is VC, TiN or TiCN.

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